

S/194/62/000/003/033/066
D256/D301

A high-frequency ...

frequency and the position of the H.F. electrode. It was shown that the occurrence of the d.c. voltage at the output of the diode resulted from a nonuniform charge distribution in the volume of the diode. The sensitivity of the system was: up to 20 V/pF in capacitance or 5 V/mm in mechanical movement. The error of the experimental instruments exceeded 5%. The possibility is considered of applying the diode as an electric transducer of nonelectric quantities. 1 reference. [Abstracter's note: Complete translation.]

Card 2/2

MARKOV, Yu.M., aspirant

Comparative rating of a natural ventilation system with exhaust shaft for use the central part of the U.S.S.R. Veterinariia 35 no.8:74-76 Ag '58. (MIRA 11:9)

1. Laboratoriya zoogigiyeny Vsesoyuznogo instituta eksperimental'noy veterinarii.
(Stables--Heating and ventilation)

KOVALEV, A.A., kand. veter. nauk; MARKOV, Yu.M., kand. veter. nauk;
LEVANIDOVA, Z.N., starshiy laborant

Penless keeping of sows with suckling piglets. Veterinariia
40 no.4:70-72 Ap '63. (MIRA 17:1)

1. Ukrainskiy nauchno-issledovatel'skiy institut eksperi-
mental'noy veterinarii.

MARKOV, YU. M., CAND VET SCI, "ZOOHYGIENIC ~~ESTIMATE~~
OF A MINE VENTILATING SYSTEM AND ITS IMPROVEMENT UNDER
CONDITIONS OF THE CENTRAL ZONE OF THE USSR." MOSCOW,
1961. (ALL-UNION INST OF EXPERIMENTAL VET SCI, ALL-
UNION ORDER OF LENIN ACAD OF AGR SCI IM V. I. LENIN).
(KL, 3-61, 227).

1. YU N. MARKOV
2. USSR (600)
4. Bee Culture
7. Wintering bees out of doors. Pchelovodstvo 30 no. 1. 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

MARKOV, Yu.N., starshiy dorozhnyy master (st. Sverdlovsk-sertirovochnyy)

Make better designed switch boxes. Put' I put. khez. no.2:44 P '57.
(Railroads--Switches) (MIRA 10:4)

MARKOV, Yu.N., inzh. (stantsiya Sverdlovsk-Sortirovochnyy)

Switch boxes must meet the requirements of hump yard centralization.

Put' i put. khoz. no. 8:14 Ag '58.

(MIRA 11:8)

(Railroads--Switches)

MARKOV, Yu.N., inzh. (g. Sverdlovsk)

Indispensable manual ("Handbook on the layout, and laying of track connections, crossings, and interlacings" by [inzh.] V.V.Mikoni and others. Reviewed by IU.N.Markov). Put' i put.khoz. 4 no.11: 46-47 N '60. (MIRA 13:12)

(Railroads--Track)

(Mikoni, V.V.)

MARKOV, Yu.N., insh. (Sverdlovsk); TSARENKO, L.P., insh. (Sverdlovsk)

Progressive mechanic and his crew. Put' i put. khos. 4
no. 12:30-31 D '60. (MIRA 13:12)
(Railroads--Snow protection and removal)

MARKOV, Yu-B., insh. (g.Sverdlovsk)

Laying crossing tracks. Zhel.dor.transp. 42 no.12:34 D '60.
(MIRA 13:12)

(Railroads—Crossings)

MARKOV, Yu. N., inzh. (g. Sverdlovsk)

Rail wear and track profile. Put' i put. khoz. 6 no.9:28 '62.
(MIRA 15:10)

(Railroads—Rails)

MARKOV, Yu.N., inzh. (Sverdlovsk)

Results of the analysis of observations. Put' 1 put.khoz. 7
no.7:35 '63. (MIRA 16:10)

3(1), 9(3)
AUTHORS: Ryzhkov, Ye.V., Bukhterin, A.Ya., Dymovich, N.D.,
Ivanov, N.I., Markov, Yu. V.
06537
SOV/142-2-2-13/25

TITLE: A Panoramic, Automatic Ionosphere Station

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiotekhnika,
1959, Vol 2, Nr 2, pp 227-233 (USSR)

ABSTRACT: The paper contains a description of a panoramic, auto-
matic ionosphere station (PAIS - panoramnaya avtoma-
ticheskaya ionosfernaya stantsiya) working in the range
of 0.5 - 28 megacycles. The PAIS was developed at the
Kafedra antenn i rasprostraneniya radiovoln Leningrad-
skogo elektrotekhnicheskogo instituta svyazi imeni M.
A. Bonch-Bruyevicha - LEIS - (Chair of Antennas and
Radio Wave Propagation of the Leningrad Electrical En-
gineering Institute of Communications imeni M.A.
Bonch-Bruyevich). This PAIS version was based on an
ionospheric station developed and built during the
period of 1953-1955 /Ref 1/. In this version, the
working range and the transmitter power were increased.
the ionogram at the screen of the panoramic indicator

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A Panoramic, Automatic Ionosphere Station

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was improved and a simpler automation was used, satisfying the requirements for the International Geophysical Year. The new version has the following features: 1) Range of operating frequencies 0.5-28 mc. 2) Pulse power 15 kw. 3) Frequency of pulse sequences 50 cycles. 4) Duration of rectangular pulses 100 microseconds. 5) Receiver sensitivity 1 - 2 microvolts at a signal-to-noise ratio not less than 3. 6) The indicator with a linear sweep facilitates observations at any of the working frequencies within 4,000 km. 7) The panoramic indicator facilitates observations up to an altitude of 1,500 km. The scale of the frequency scanning is semilogarithmic. 8) With automatic operation, 15 seconds are required for passing thru the frequency range. 9) Program control facilitates automatic recording of ionograms 1, 2, 4 or 12 times per hour with automatic start-stop of the station. The station may also be operated manually. The authors further describe the block diagram of the station, the master generator, the modulator and the transmitter, the receiver, the indicators, the auto-

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matic controls and the antennas. Impact excitation pulses are shaped in the modulator. These same pulses are also used for starting the indicator scanning and the modulation of the output stages of the transmitter. The voltage with a frequency of 0.5 - 28 mc from the master generator unit is amplified in the transmitter and fed to the antennas. The aforementioned master generator voltage is fed simultaneously to the receiver for performing the electrical coupling of the receiver and transmitter tuning. The receiver works on two IF frequencies, 30 and 29.1 mc. The master generator contains the following tubes: one 6N1P, five 6Zh5P, two 6N15P. The modulator/transmitter unit consists of three 6N1P, one GU-50, one 6P9 and one GMI-83. A Z11B-33 indicator tube is used. Figure 2 is a general view of the PAIS, while figure 5 shows the transmitter/modulator unit. Presently, the station described in this paper is operated on the test ground of the Leningradskoye otdeleniye Nauchno-issledovatel'skogo instituta zemnogo magnetizma i rasprostraneniya radiovoln (Leningrad Branch of the Scientific Research

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Institute of Earth Magnetism and Radio Wave Propagation.
There are 3 photographs 4 block diagrams and 3 Soviet
references.

This article was recommended by the
kafedra antenn i rasprostraneniya radiovoln Leningrad-
skogo elektrotekhnicheskogo instituta svyazi imeni M.
A. Bonch-Bruyevicha (Chair of Antennas and Radio Wave
Propagation of the Leningrad Electrical Engineering
Institute of Communications imeni M.A. Bonch-Bruyevich)

SUBMITTED: September 15, 1958

Card 4/4

YAZEV, A.I.; MARKOV, Yu.V.

Electronic relay for a recording chronograph. Izv.tekh. no.12:22
D '61. (Minsk 1961)

(Chronograph)

RYZHKOV, Ye.V., dotsent; MILYUTIN, Ye.R., assistant; MARKOV, Yu.V.

Noise generator for 1 to 100 mc. frequencies. Vest. svyazi
21 no.11:16-17 N '61. (MIRA 14:11)

1. Leningradskiy elektrotekhnicheskiy institut svyazi.
2. Vedushchiy starshiy inzhener Leningradskogo elektrotekhnicheskogo instituta svyazi (for Markov).
(Oscillators, Electric)

MARKOV, Yu.V.; ZAKHAROV, V.N.

Using a quartz clock at the Irkutsk Tracking Station. Biul.
sta. opt. nabl. isk. sput. Zem. no.30:5-10 '62.

(MIRA 16:6)

1. Irkitskaya astronomicheskaya observatoriya, Stantsiya
nablyudeniya iskusstvennogo sputnika Zemli No. 1079.
(Irkutsk--Astronomical clocks)

43166
S/203/62/002/003/018/021
1023/1250

AUTHOR: Markov, Yu.V. and Milyutin, Ye.R.

TITLE: A receiving device of increased noise-resistance for an ionospheric station

PERIODICAL: Geomagnetizm i Aeronomiya, v.2, no.3, 1962, 545-549

TEXT: Since the power of existing transmitters is sufficiently high, the ratio of signal to noise will be best increased by improving the noise resistance of receivers. The receiver described is an improved version of the receiver C-4 produced in the U.S.A. The bandwidth is 0.5 - 25 Mc/s. The input filter is composed of high frequency filter of type m (passing frequencies above 0.5 Mc/s) and a low frequency filter of type K (passing frequencies below 26 Mc/s). A wide-band transformer is used in the convertor in order to make the grids and anodes symmetrical with respect to earth. The sensitivity of the receiver is ~ 1 microvolt with a ratio of signal to noise equal 3. The dynamical range of the receiver is 56 db. The receiver was used for two years in the IZMIRAN ionospheric station in Voeikovo. There are 2 figures, 1 table, 5 references.

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S/203/62/002/003/018/021
I023/I250

A receiving device of increased...

ASSOCIATION: Leningradskiy elektrotekhnicheskij institut svyazi im. prof. M.A. Bonch-Bruyevich; Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln Akademii nauk SSSR (The Leningrad Electrotechnical Institute of communication im. prof. M.A. Bonch-Bruyevich; Institute of Terrestrial Magnetism, Ionosphere and Radiowave Propagation, Academy of Sciences USSR)

SUBMITTED: December 20, 1961

Card 2/2

L-23074-65 EWT(m)/EPF(c)/EPF(n)-2/EPR Pr-L/Ps-L/Pu-L

ACCESSION NR: AP5001264

S/0089/64/017/006/0427/0439

AUTHOR: Kramerov, A. Ya.; Markov, Yu. V.; Skvortsov, S. A.; Denisov, V. P.;
Kulikov, Ye. V.; Sorokin, Yu. P.; Stekolnikov, V. V.; Khokhlachev, A. A.;
Tatarnikov, V. P.; Sidorenko, V. A.

TITLE: Some trends in the development of the second Voronezh power reactor /9

SOURCE: Atomnaya energiya, v. 17, no. 6, 1984, 427-439

TOPIC TAGS: power reactor, water cooled reactor, water moderated reactor,
reactor economy, second Voronezh power reactor

ABSTRACT: The paper is a summary of the SSSR #304 report at the Third International Conference on Peaceful Uses of Atomic Energy in Geneva, 1984. The first Voronezh reactor, of 210 Mw (elect.), was described earlier (S. A. Skvortsov, Transactions of the Second International Conf., 1959). This reactor is now being readied for exploitation. The second Voronezh reactor, of 365 Mw (elect.) is under construction. The water pressure will be 120 atm. Water is used as mod-

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L 23074-65
ACCESSION NR: AP5001264

erator and for the heat transfer. During the operation of about 2 years, fuel consumption is about 30,000 Mw-day/tons of uranium. The second reactor is a modernization of the first reactor. Details are given of the construction, and the effects of various characteristics on the exploitation cost are estimated. Orig. art. has: 7 figures

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

SUB CODE: NP

NR REF SOV: 005

OTHER: 003

Card 2/2

L 41026-65

ACCESSION NR: AP5008565

S/0286/65/000/006/0074/0075

AUTHOR: Likiardopulo, A. G.; Markov, Yu. V.

20
19
B

TITLE: A method for measuring coding errors. Class 42, No. 169294

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 6, 1965, 74-75

TOPIC TAGS: coding, error detection measurement, transducer

ABSTRACT: This Author Certificate presents a method for measuring coding errors of transducers with a parallel output and a cyclic code. The design is intended to increase the error measurement speed and to produce directly the average or the root mean square error. A reference sawtooth voltage is periodically fed to the input of the transducer being checked. In the output of the transducer the factors of exchange of the code combinations are compared with the reference sequence of pulses which are synchronized with the reference sawtooth voltage. These code combination exchange factors separate out the pulses on the basis of duration and sign. The proportional errors of the transducer are determined at discrete points of the conversion. The average error is produced by a double integration, and the root mean square error of the transducer by a single integration together with a double integration. These errors are displayed on a pointer-type instrument.

Card 1/2

L 41026-65

ACCESSION NR: AP5008565

ASSOCIATION: Predpriyatiye gosudarstvennogo komiteta po radioelektronike
(Enterprise of the State Committee on Radio Electronics)

SUBMITTED: 15Mar65

ENCL: 00

SUB CODE: DP, MA

NO REF SOV: 000

OTHER: 000

CC
Card 2/2

E 65214-65 EWT(m)/EPF(c)/EWP(j)/T RM

ACCESSION NR: AP5022587

UR/0190/65/007/009/1481/1483
541.64+678.76

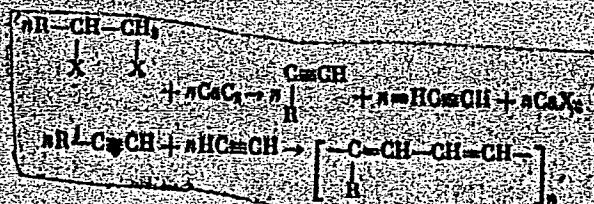
AUTHOR: Paushkin, Ya. M.; Markov, Yu. Ya.

TITLE: Preparation of polyvinylenes by the reaction of dibromoethylbenzene with calcium carbide B

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 7, no. 9, 1965, 1481-1483

TOPIC TAGS: semiconducting polymer, polyvinylene, polymerization

ABSTRACT: Recently a new preparative method for polyvinylenes has been proposed involving dehydrohalopolymerization of 1,2-dihalo compounds with calcium oxide at 200-300°C. Now an attempt has been made to substitute calcium carbide for the oxide:



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I. 65214-65

ACCESSION NR: AP5022587

The new method was investigated in detail using (1,2-dibromoethyl)benzene with calcium carbide at 200—400°C and the optimum preparative conditions were determined (given in the source). The highest overall polymer yield (58—60%) and the highest soluble polymer fraction yield (80—90% of the overall yield) were obtained under a single set of conditions. The soluble polymer fraction, a yellow-brown powder, is a mixture of oligomeric polyvinylenes 400—1200 in molecular weight, which is soluble in benzene, CCl_4 , etc. Based on IR data, the following structure was assigned to it:



where $n = 3-10$. Electrical measurements with pellet samples showed: $\log \sigma_{300} = -6$, $E = 0.27$ ev. The insoluble fraction was a black powder infusible up to 500°C. IR data suggested that it has a cross-linked structure. Orig. art. has: 2 figures, 1 table, and 2 formulas. [SM]

ASSOCIATION: Institut neftekhimicheskoy i gazovoy promyshlennosti im. I. M. Gubkina (Institute of the Petrochemical and Gas Industry)

Cord 12/3

L 65211-65

ACCESSION NR: AP5022587

SUBMITTED: 29Jun64

ENCL: 00

SUB CODE: MT, GC

NO REF. BOV: 002

OTHER: 003

ATD PRESS: 4089

Card 3/3

L 17874-66 EWT(m)/T/EWP(j) RM

ACC NR: AP6006985

SOURCE CODE: UR/0190/66/008/002/0339/0342

AUTHOR: Paushkin, Ya. M.; Markov, Yu. Ya.

40
38
B

ORG: Moscow Institute of the Petrochemical and Gas Industry im. I. M. Gubkin
(Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti)

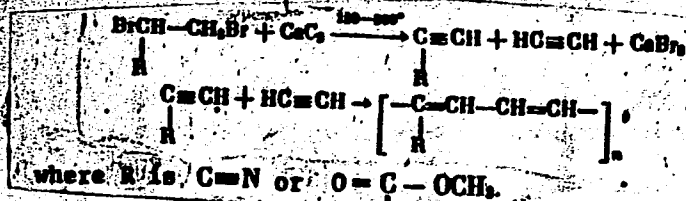
TITLE: Preparation of polymers with a conjugated system by the reaction of calcium carbide with dibromo derivatives

7.44.55

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 2, 1966, 339-342

TOPIC TAGS: organic semiconductor, semiconducting polymer

ABSTRACT: New polyvinylenes have been synthesized by the reaction of calcium carbide with 1) α , β -dibromopropionitrile or 2) methyl α , β -dibromopropionate:



In the case of α , β -dibromopropionitrile the reaction was carried out at 150—250C;

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UDC: 541.64

L 17874-66

ACC NR: AP6006985

2
the polymers were partly soluble in dimethylformamide, phenol, and pyridine. The soluble fraction, a dark-brown shiny powder, 800—1000 in mol. wt. softened at 310—320C and had an electrical conductivity (σ_{50}) of 10^{-8} mho/cm. The insoluble fraction did not soften up to 400C and had a σ_{50} of 10^{-6} mho/cm. In the case of methyl α , β -dibromopropionate, the reaction was carried out at 180—260C. The soluble fraction which was obtained only at 180C, was a light-brown powder soluble only in dimethylformamide, probably consisting of low-molecular-weight oligomers. This fraction softened at 260—280C and had a σ_{50} of 10^{-9} mho/cm. The insoluble polymers, dark-brown to black powders, softened at above 400C and had a σ_{50} of 10^{-2} mho/cm. All the polymers showed paramagnetic properties. Their structures were confirmed by IR spectroscopy. Orig. art. has: 1 figure. 16 [SM]

SUB CODE: 07, // / SUBM DATE: 22Mar65/ ORIG REF: 002/ ATD PRESS: 4208

Card 2/2 TS

MARKOV-OSORGIN, A.V., inzhener; SABIROV, I.Kh., inzhener.

~~The new DGM-4~~ depth manometer. Neftianik 1 no.11:23 # '56.
(MLRA 9:12)

1. Ufimskiy neftyanoy nauchno-issledovatel'skiy institut.
(Manometer)

IVANOV, M.M.; MARKOV-OSORGIN, A.V.

PPI-1 deep-well submersible piezograph designed by the Ufa
Petroleum Scientific Research Institute. Trudy UPII no.2:
206-210 '57. (MIRA 12:1)

(Piezometer)

MARKOVA, A.

Textile Industry and Fabrics

Foreman's assistant. Rabotnitsa 30 no. 4. '52.

9. Monthly List of Russian Accessions, Library of Congress, August 195²~~7~~ Uncl.

MESTITZOVA, Margita; Techn. spolupraca MARKOVA, Anna

Attempted determination of the dynamics of elimination of 3,4-benzopyrene from the lungs after artificial exposures. Prac. lek. 13 no.8/9:478-481 N '61.

1. Ustav hygieny prace a chorob z povolania v Bratislave, riaditel MUDr. I. Klucik.

(BENZOPYRENES toxicol) (LUNGS physiol)

MARKOVA, A. A.

EXCERPTA MEDICA Sec.2 Vol.11/5 Physiology, etc. May 58

2229. GASTRIC SECRETION IN GASTRO-OESOPHAGOTOMIZED, DECORTICATED DOGS DURING SHAM FEEDING (Russian text) - Markova A. A.
Dept. of Physiol., 2nd Med. Inst., Moscow - Z. FIZIOL. 1957, 43/8 (793-800) Graphs 5

Bilateral removal of the cerebral cortex in dogs produced marked quantitative and qualitative changes of gastric secretion after sham feeding, which persisted up to 17 months. Unilateral decortication produced similar changes, but they were less pronounced and persisted only for 1.5 to 2 months. Simonson - Minneapolis, Minn.

MARKOVA, A. A.; DOLGOROZHEVA, N. A.

Children - Diseases

Diagnosis of laryngitis in children. Vest. oto-rin. 14 no. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 195², Uncl.

KHRUSHCHEVA, V.A., kandidat meditsinskikh nauk; TETTEL'BAUM, F.M.; MARKOVA,
A.A., kandidat meditsinskikh nauk

Serological diagnosis of diphtheria. Vop.okh.mat. i det. 1 no.4:
13-17 J1-Ag '56. (MLRA 9:9)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo pediatricheskogo
instituta (dir. - prof. A.L.Libov) i detskoyinfektsionnoy bol'nitsy
Sverdlovskogo rayona Leningrada (glavnyy vrach N.A.Nikitina)
(DIPHTHERIA--DIAGNOSIS)

MARKOVA, A.A., kandidat meditsinskikh nauk; KUDASOVA, M.S.; SEMENOVA, Z.P.

Problems in the diagnosis and hospitalization of children with diphtheria and with suspected diphtheria. *Pediatrics* 39 no.4:22-27
Jl-Ag '56. (MLRA 9:12)

1. Iz Detskoy infektsionnoy bil'nitsy Sverdlovskogo rayona Leningrada (glavnyy vrach N.A. Nikitina, nauchnyy rukovoditel' - prof. M.G. Danilevich)

(DIPHTHERIA, in inf. and child
diag. & hosp.)

MARKOVA, A.A., kand.med.nauk

Measures for reducing the diphtheria morbidity and mortality in
Leningrad. Vop.okh.mat. i det. 3 no.3:74-78 My-Je '58.

(MIRA 11:5)

1. Iz Detskoy infektsionnoy bol'nitsy Sverdlovskogo rayona
Leningrada (glavnyy vrach N.A. Nikitina).
(LENINGRAD--DIPHTHERIA)

MARKOVA, A. A.; KHRUSHCHEVA, V. A.; KUDASOVA, M. S.; SEMENOVA, Z. P.;
TENTEL'BAUM, F. M.

"Work experience of a diagnostic hospital for children suspected
of having diphtheria."

Report submitted at the 13th All-Union Congress of Hygienists,
Epidemiologists and Infectionists. 1959

MARKOVA, A.A.

Evolution of the clinical course of diphtheria in children in the
past 10 years. *Pediatrics* 38 no.6:17-22 Je '60. (MIRA 13:12)
(DIPHTHERIA)

GUBAR', A.V., dots.; KOSITSKIY, G.I.; KULIKOVA, V.S.; MAL'TSEVA,
T.A.; MARKOVA, A.A.; Milyutina, L.A.; ORESHUK, F.A.;
PETROV, S.I.; CHESNOKOVA, S.A.; ASRATYAN, E.A., prof., red.;
OKHNYANSKAYA, L.G., red.; BUKOVSKAYA, N.A., tekhn. red.

[Manual on practical exercises for a course in normal
physiology] Rukovodstvo k prakticheskim zaniatiyam po
kursu normal'noi fiziologii. [By] A.V.Gubar' i dr. Mo-
skva, Medgiz, 1963. 303 p. (MIRA 17:3)

1. Chlen-korrespondent AN SSSR(for Asratyan).

*

GUBAR', A.V., dots.; KOSITSKIY, G.I.; KULIKOVA, V.S.; MAL'TSEVA, T.A.;
MARKOVA, A.A.; MILYUTINA, L.A.; ORESHUK, F.A.; PETROV, S.I.;
CHESNOKOVA, S.A., assistant; ASRATYAN, E.A., prof., red.;
OKHNYANSKAYA, L.G., red.; BUKOVSKAYA, N.A., tekhn. red.

[Handbook of practical exercises for a course of normal
physiology] Rukovodstvo k prakticheskim zaniatiyam po kursu nor-
mal'noi fiziologii. Pod red. E.A.Asratiana i A.V.Gubar'ia. Mo-
skva, Medgiz, 1963. 303 p. (MIRA 16:7)

1. Chlen-korrespondent AN SSSR (for Asratyan).
(PHYSIOLOGY--LABORATORY MANUALS)

MARKOVA, A.F.; IVANOV, B.V., kand.tekhn.nauk, otv.red.; IVANOVA, G.L.,
red.; VYALYKH, A.M., tekhn.red.

[Bibliography of publications of the West-Siberian Branch
of the Academy of Sciences of the U.S.S.R.] Bibliografiia
izdaniia Zapadno-Sibirskogo filiala Akademii nauk SSSR. Novo-
sibirsk, Izd-vo Sibirskogo otdeleniia Akad.nauk SSSR. No.2.
1957-1958 gg. 1960. 56 p. (MIRA 14:12)

1. Akademiya nauk SSSR. Biblioteka, Vostochnoye otdeleniye.
(Bibliography)

VINOKURENKOVA, A.I., dotsent; RUDAKOVA, R.S.; SVIRIDOVA, I.V.; MARKOVA, A.I.;
ROMANOVA, A.G.

[Treatment of cervical erosion with needle punctures according to
Vinokurenkova's method. Sov.med. 21 no.2:54-57 P '57. (MLRA 10:6)

1. Iz kafedry akusherstva i ginekologii (zav. - prof. V.I.Zdravov-
myslov) Stavropol'skogo meditsinskogo instituta.

(CERVIX, UTERINE, dis.

erosion, ther., multiple puncture with needle around
eroded area)

SOV/32-24-9-13/53

AUTHOR: Markova, A. I.

TITLE: The Purification of Dithizon in the Determination of Micro-Quantities of a Metal (Ochistka ditizona pri opredelenii mikrokolichestv metalla)

PERIODICAL: Zavodskaya Laboratoriya, 1958, Vol 24, Nr 9, pp 1069-1069 (USSR)

ABSTRACT: Commercial dithizon may contain impurities of oxidation products, such as diphenyl-thio carbodiazone (DTC). The latter is insoluble in acid and alkaline solutions, but solves in chloroform and carbon tetrachloride. The removal of dithizon from DTC is based on the fact that DTC is insoluble in ammonia, whereas pure dithizon solves in ammonia. It was found that dithizon which had been dried at raised temperatures was less stable than dithizon which had been only air-dried. Apparently, this instability of the reagent obtained after purification is due to a partial reoxidation during the purification process. Sendel (Ref 1) has pointed to the possibility of a regeneration of the oxidation product by the action of the reducing agent. In the present paper, ascorbic acid has been found to be the most satisfactory reducing agent. The procedure for the purification of dithizon is described. The stability duration of a 0,01%

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SOV/32-24-9-13/53
The Purification of Dithizon in the Determination of Micro-Quantities of a
Metal

carbon tetrachloride solution of the dithizon thus obtained is specified to be 3 months at 30° and 1 month at 40°. A 0,0025% solution, which is used in microanalyses, has a lower stability. There is 1 reference, which is Soviet.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut gidrogeologii i inzhenernoy geologii (All-Union Scientific Research Institute of Hydrogeology and Engineering Geology)

Card 2/2

SOKOLOV, I.Yu.; AYDIN'YAN, N.Kh.; BELEKHOVA, V.N.; BRODSKIY, A.A., starshiy nauchnyy sotrudnik; GLEBOVICH, T.A.; DALMATOVA, T.V.; KOMAROVA, A.I.; KOMAROVA, Z.V.; KOPYLOVA, M.M.; KUDRYAVTSEVA, M.M.; LIBINA, R.I.; LOGINOVA, L.G.; MARGOLIN, L.S.; MARKOVA, A.I.; MEDVEDEV, Yu.L.; MILLER, A.D.; MULIKOVSKAYA, Ye.P.; NECHAYEVA, A.A.; OZEROVA, N.V.; PALKINA, I.M.; PETROPAVLOVSKAYA, L.A.; POPOVA, T.P.; REZNIKOV, A.A.; SERGEYEV, Ye.A.; SETKINA, O.N.; STEPANOV, P.A.; SUVOROVA, Ye.G. [deceased]; SHERGINA, Yu.P.; PANOVA, A.I., red.izd-va; IVANOVA, A.G., tekhn.red.

[Methodological handbook on the determination of microcomponents in natural waters during prospecting for ore deposits] Metodicheskoe rukovodstvo po opredeleniiu mikrokomponentov v prirodnykh vodakh pri poiskakh rudnykh mestorozhdenii. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po geol. i okhrane neдр, 1961. 287 p.

(MIRA 14:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrogeologii i inzhenernoy geologii (for Sokolov, Brodskiy, Glebovich, Ozerova, Kudryavtseva, Loginova, Markova, Medvedev, Belekhoval, Palkina, (Continued on next card)

SOKOLOV, I.Yu.—(continued) Card 2.

Popova, Petropavlovskaya). 2. Institut geologii rudnykh mesto-
rozhdeniy, petrografii, mineralogii i geokhimii AN SSSR (for
Aydin'yan). 3. Vsesoyuznyy nauchno-issledovatel'skiy institut
metodiki i tekhniki razvedki (for Miller, Sergeyev, Margolin).
4. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskii institut
(for Mulikovskaya, Reznikov). 5. Vsesoyuznyy nauchno-issledova-
tel'skiy institut mineral'nogo syr'ya (for Komarova, A.).
(Prospecting—Geophysical methods)
(Water, Underground—Analysis)

MARKOVA, A.I.

Use of "sulfarsazen" for the photometric determination of lead in fresh and mineralized waters. Zhur.anal.khim. 17 no.8:952-954 N '62.
(MIRA 15:12)

1. All-Union Scientific-Research Institute of Hydrogeology and Engineering Geology, Moscow.
(Lead—Analysis) (Water—Analysis)

ROZHANSKIY, M O., starshiy nauchnyy sotrudnik; DOGLAD " " " V . aspirant;
MARKOVA, A.M., starshiy laborant

Determining the volume of circulating blood in adult horses and
dairy cows by the T-1824 hematocrit method Izv. TSKhA no.5:
217-221 1961. (MIRA 14:12)

(Blood Circulation)
(Horses) (Cows)

~~MARKOVA, A. M.~~, SERGEYEVA, A. V., ZHIL'TSOV, V. G., ROZHANSKIY, M. E.,
EZHOV, G. I. and KUDRYASHOV, A. G. (Moscow Agricultural Academy imeni
K. A. Timiryazev).

Hemolytic disease of newborn colts

Veterinariya, Vol. 38, no. 8, August 1961, pp. 59

SERGEYEVA, A.V.; ZHIL'TSOV, V.G.; ROZHANSKIY, M. Ye.; YEZHOV, G.I.;
KUDRYASHOV, A.G.; MARKOVA, A.M.

Erythroblastosis fetalis in newborn foals. Veterinariia 38
no.8:59-61 Ag '61 (MIRA 18:1)

1. Moskovskaya sel'skokhozyaystvennaya akademiya imeni
K.A. Timiryazeva.

MARKOVA, A.N.; SMIRNOV, M.F.

Proportional development of various types of petroleum-products transportation. Transp. i Khran. nefiti i nefteprod. no. 2: 37-40 '64. (MIRA 17:5)

1. Institut kompleksnykh transportnykh problem.

MARKOVA, A.N.: [illegible], [illegible].

Relationship: [illegible]
of [illegible] [illegible] [illegible].

MARKOVA, A.N.; SHEBARSHINA, N.N.

Methods for calculating the transportation of petroleum.

Transp. i khran. nefti i nefteprod. no.5:23-26 '65.

(MIRA 18:10)

1. Institut kompleksnykh transportnykh problem.

MAIKOVA, A.P.

Iodine and bromine in brines of the White Russian S.S.R. Trudy
Inst.geol.AN UZ.SSR no.9:181-191 '53. (MIRA 12:1)
(White Russia--Brines) (Trace elements)

MARKOVA, A.P.

Chemical composition of mineralized waters and brines in old
Paleozoic sediments of White Russia. Trudy Inst. geol. nav.
In BSSR no. 2:216-229 '60. (MIRA 13:12)
(White Russia--Mineral waters)

LUKASHIN, K.I.; MARKOVA, A.P.; ZIMKOVITSKAYA, A.L.

Chemical composition of brines of Devonian sediments of the
Strelchovo pool (well No. 1). Dokl. AN BSSR 4 no. 12: 523-526 D '60.
(MIRA 14:2)

1. Institut geologicheskikh nauk BSSR.
(Khayniki District--Oil field brines)

MARKOVA, A.P.

Iodine and bromine in brines of the White Russian S.S.R.
Trudy Inst.geol.nav. AN BSSR no.1:181-191 ' 58.
(MIRA 12:1)
(White Russia--Brines) (Trace elements)

MARKOVA, A.P. [Markava, A.P.]

Hydrochemical characteristics of various underground water wells
in the northern part of the White Russian S.S.R. Vestsi AN BSSR
Ser. fiz.-tekh. nav. no.3:100-108 '58. (MIRA 11:10)
(White Russia--Water, Underground)

LUKASHOV, K.I. [Lukashou, K.I.]; MARKOVA, A.P. [Markova, A.P.]

Some data from a hydrogeochemical study of brines and rocks of
the Pripet depression. Vestsi AN BSSR.Ser.fiz.-tekhn. no.4:
82-96 '58. (MIRA 12:4)
(Pripet Valley--Geology) (Prospecting)

LUKASHEV, K.I.; MARKOVA, A.P.; ZAMYATKINA, A.A.

Hydrochemistry of natural waters of the Novogrudok-
Korelich area in White Russia. Dokl. AN BSSR 3 no.5:213-216
My '59. (MIRA 12:10)
(White Russia--Water--Composition)

LUKASHEV, K.I. [Lukashou, K.I.]; MARKOVA, A.P. [Markava, A.P.]; DROMASHKO,
S.G. [Dramashka, S.H.]; STETSKO, U.U.; DOBROVOL'SKAYA, I.A.
[Dabravol'skaia, I.A.]

Characteristics of the chemical and mineralogical composition of loess
soils of White Russia. Vestsi AN BSSR. Ser.fiz.-tekh.nav. no.2:63-75
'60. (MIRA 13:10)

(White Russia--Loess)

LUKASHEV, K.I., akademik; MARKOVA, A.P.

Trace elements occurring in the natural waters of loess regions in
White Russia. Dokl. AN SSSR 134 no.6:1436-1439 O '60.(MIRA 13:10)

1. AN BSSR (for Lukashev).
(White Russia--Water--Composition)
(Trace elements)

LUKASHEV, K.I.; MARKOVA, A.P.

Data on chemical study of brines in Devonian deposits of the Pervomayskaya prospect (well R-2). Dokl. AN BSSR 5 no.11:503-505 1961.
(MIRA 15:1)

1. Institut geologicheskikh nauk AN BSSR.
(Pervomayskaya region (White Russia)--Brines)
(Petroleum geology)

LUKASHEV, K.I.; MARKOVA, A.P.; ZHUKHOVITSKAYA, A.L.

Chemical characteristics of Paleozoic brines of the Chervonnaya
Sloboda prospect (well No.1). Dokl. AN BSSR 5 no.12:561-563
D '61. (MIRA 15:1)

1. Institut geologicheskikh nauk AN BSSR.
(Chervonnaya Sloboda region--Brines) (Petroleum geology)

MARKOVA, A. S.

PA 36/49157

USSR/Medicine - Rodents
Medicine - Pressure

Sep 48

"Regularities in the Reaction of Rodents to Decreased Atmospheric Pressure," A. S. Markova, Khar'kov State U imeni A. M. Gor'kiy, 4 pp

"Dok Ak Nauk SSSR" Vol LXII, No 3

States that one index of adaptation of mammals to lowered atmospheric pressure is increase in oxygen capacity of the blood, linked with increase in number of erythrocytes and quantity of hemoglobin. Used this index to evaluate differences in the adaptive reactions of field mice and yellow-throated mice.

36/49157

USSR/Medicine - Rodents (Contd)

Sep 48

Tables show results of experiments with yellow-throated mice from around Zimlyev (varying temperature), comparison of the reactions of northern and southern yellow-throated mice at lowered atmospheric pressure, etc. Submitted by Acad L. A. Orbell, 17 Jul 48.

36/49157

TREGUBOVA, A.S., st. inzh.; KARASENKO, A.P., inzh.; MARKOVA, A.V.,
st. tekhnik; NIKOLAYEVA, Z.A., st. tekhnik; KOVTUNENKO,
Zh.I., tekhnik; PERKASS, Z.F., tekhnik; STOYAN, T.T.,
tekhnik; CHERVYACHENKO, V.A., tekhnik; YEFREMOV, N.V., red.;
DEREVYANKO, G.S., tekhn. red.

[Manual on the supply of moisture available to basic farm
crops in the Ukraine] Spravochnik po zapasam produktivnoi
vlagi pod osnovnym sel'skokhozyaystvennymi kul'turami na
Ukraine. Kiev, Gossel'khozizdat USSR, 1963. 547 p.

(MIRA 16:12)

1. Otdel agrometeorologii Kiyevskoy gidrometeorologicheskoy
observatorii (for all except Yefremov, Derevyanko).
(Ukraine—Soil moisture)

MIROLYUBOV, H.G.; MARKOVA, A.Ya.

Determination of the minimal length of action of conditioned stimuli
in man when stable limits of fine differentiation are maintained.

Fiziol.zhur. [Ukr.] 2 no.4:106-115 J1-Ag '56.

(MIRA 9:10)

1. Fiziologicheskaya laboratoriya Akademii nauk SSSR, Moskva.
(CONDITIONED RESPONSE)

MARKOVA, A.Ya. (Moskva)

Process of elementary abstraction in the lower monkeys. Vop. psichol.
8 no.1:121-133 Ja-F '62. (MIRA 15:4)

(ABSTRACTION)

MARKOVA, A.Ya. (Moskva)

Matching a sample object choice in lower monkeys. Vop. psikh. 10 no.6:129-140 N-D '64. (MIRA 18:2.

MARKOVA, A.Ya.

Effect of luminal on the gas exchange in healthy persons and patients with lesions of the diencephalic region. Zhur. nevr. i psikh. 64 no. 12:1814-1820 '64. (MIRA 18:1)

1. Laboratoriya nervno-gumoral'noy regulyatsii (zaveduyushchiy-prof. N.I.Grashchenkov) Instituta vyshey nervnoy deyatel'nosti AN SSSR, Moskva.

MARKOVA, B., inzh.

Manufacturing wall blocks in heated construction yards. Stroil. mat.
4 no.2:30 P '58. (MIRA 11:2)

(Concrete blocks)

MARKOVA, B.F.

4

Current-Voltage Curves of Several Sensitive Polymers

Abstract: B. F. Markova and L. V. Markova (*Ukrain. Khim. Zh.*, 1979, 18, (1), 227-230). [In Russian]. Polymers have been examined using a cell fitted with Pt wire electrodes connected to a constant current source at 25-45 °C, so that each electrode was polarized for only a short time; the intercalated layer of actin on the electrode then being replenished in the rest period. Polarograms are given for the reduction of O in 0.1N KCl and in buffer soln.; for the reduction of H in acid soln. and in buffer soln.; and for the deposition of Cu from CuCl₂ and of Hg from Hg(NO₃)₂.

G. V. E. T.

(1)

SM ROK

MARKOVA, C.

Results of the 1961 census in India. Sbor zem 69 no.1:71-74 '61.

MARKOVA, C.

Structure and internal zoning of Indian cities. Sbor zem 69
no.2:124-126 *64

MARKOVA, C.

The power industry in Pakistan. Sbor zem 69 no.3:229-231 '64.

MARKOVA, G.

Problems of irrigation in the western Pakistan. Cooper. 200. 13
no.4:330-332 '64.

"National atlas of India." Reviewed by G.Markova. Ibid. 301-
353

KAIL, Ludek; MARKOVA, Dagmar, inz.

Use of plastics for packaging in the canning industry and their comparison with conventional containers. Prum potravin 13 no.3:129-133 Mr '62.

1. Stredoceska Fruta, n.p., Mochov (for Kail). 2. Obalovy ustav, Praha (for Markova).

MAREK, J.; MARKOVA, D.

On sulfur dyes. Part 1: Composition of the light resisting
yellow sulfur dye ~~Immedial~~lichtgelb GWL. Coll Cz Chem 27
no.7:1533-1548 JI '62.

1. Spolek pro chemickou a hutni byrobu, Usti nad Labem.

KALIADZHIEV, A.; TENOV, R.; MARKOVA, E.

Spectrographic method for determining the elementary composition of fruits and vegetables. Izv biol med BAN 3 no.3:107-110 '59.

(EEAI 10:4)

1. Institut po eksperimentalna meditsina pri BAN (Direktor: akad. D.Orakhovats)

(SPECTROGRAPH)

(FRUIT)

(VEGETABLES)

KALAI DZHIEV, A.; TENOV, R.; MARKOVA, E.

Inorganic elementary composition of some known kinds of fruits and vegetables. Izv biol med BAN 3 no.3:111-122 '59. (EEAI 10:4)

1. Institut po eksperimentalna meditsina pri BAN (Direktor: akad. D.Orakhovats)
(FRUIT)
(VEGETABLES)

PAPAZOVA, M. (Sofia); MARKOVA, E. (Sofia)

On the question of the influence of the pneumogastric nerve on the secretion of protein from gastric juice. Izv biol med. BAN 3 no.4: 19-30 '60. (EEAI 10:3)

1. Institut po fiziologiya (Direktor: akad D.Orakhovats)
(PROTEINS) (GASTRIC JUICE)

PAPAZOVA, M.; MARKOVA, E.

On the effect of the sympathetic innervation on gastric secretion
and on secretion of proteins with gastric juice. Izv. inst. fiziol.
5:133-138 '62.

(GASTRIC JUICE) (PROTEINS metab)
(EPINEPHRINE pharmacol)

STREDA, M.; MARKOVA, E.

On diabetes mellitus in chronic liver diseases. Cas. lek. cesk. 104
no.8:212-216 26 F'65.

1. I. Interni klinika fakulty vseobecneho lekarstvi Karlovy Univer-
sity v Praze (prednosta: prof. dr. V. Hoenig, DrSc.).

MARKOVA, E.A.

Selenium and tellurium in cobalt-arsenic ore deposits. Zap. Vses.
min. ob-va 89 no.5:602-605 '60. (MIRA 13:10)
(Selenium) (Tellurium)

MARKOVA, E.A.

Find of wehrlite in the Chalkuyruk-Akdzhilga ore deposit. Dokl.
AN SSSR 141 no.3:713-714 N '61. (MIRA 14:11)

1. Sredneaziatskiy nauchno-issledovatel'skiy institut geologii i
mineral'nogo syr'ya. Predstavleno akademikom N.V. Belovym.
(Alay range--Wehrlite)

MARKOVA, E.A.

Gudmundite of the Chalkuyryuk-Akdzhilga deposit. Zap. Uz.
otd. Vses. min. Ob-va no.14:161-168 '62. (MIRA 16:7)

(Alay Range---Gudmundite)

PARACOVA, G.

Future tasks of the Bulgarian water economy. Tr. from the Bulgarian. 1. 2. 3.

Vol. 4, no. 10, Oct. 1954
VODNI HOSPODARSTVO
Prague, Czechoslovakia

Source: East European Access on List. Library of Congress
Vol. 5, No. , August 1956

L 5426-66 EWT(m)/EWP(t)/EWP(b) IJP(c) JD/JG

ACCESSION NR: AP5019771

UR/0051/65/019/002/0303/0306
539.184.26 : 546.36

AUTHOR: Kallas, Kh.; Markova, G.; Khvostenko, G.; Chayka, M.

TITLE: Determination of the hyperfine structure constants of cesium from the crossing of magnetic sublevels

SOURCE: Optika i spektroskopiya, v. 19, no. 2, 1965, 303-306

TOPIC TAGS: cesium, hyperfine structure, spectral line, spectral energy distribution, Zeeman effect

ABSTRACT: This is a continuation of earlier work (Opt. i spektr. v. 17, 319, 1964) and is devoted to a more precise measurement of the magnetic fields for the crossing of the Zeeman sublevels of the $7^3P_{1/2}$ state in cesium, and to similar measurements for the $6^2P_{3/2}$ level. The magnetic field was produced by a pair of Helmholtz coils with constant $C = 17.77 \pm 0.01$ Oe/amp, the coil axes being directed along the horizontal component of the earth's magnetic field. The vertical component was offset by supplementary coils. Three level crossings each were observed for $7^3P_{1/2}$ and for $6^2P_{3/2}$. Expansion coefficients for the three level-crossing fields are calculated and tabulated. They agree with the published data for both $7^3P_{1/2}$ and $6^2P_{3/2}$. Orig. art. has: 9 formulas and 1 table.

Card 1/2

09010912

L 5426-66

ACCESSION NR: AP5019771

ASSOCIATION: none

SUBMITTED: 12Feb65

NR REF SOV: 002

ENCL: 00

SUB CODE: OP

OTHER: 001

Ch
Card 2/2

OKNINA, Valentina Aleksandrovna ; MARKOVA, G.A., red.; LOPUSHIKHINA, L.M., red.; FEYGEL', L.V., red.; KOGAN, V.V.; tekhn. red.

[Methods of chemical analysis of phosphatic ores] Metody khimicheskogo analiza fosfatnykh rud. Pod red. G.A.Markovoi. Moskva, Gos. nauchno-tekhn. izd-vo khim. lit-ry, 1961. 142 p.

(Apatite--Analysis) (Phosphates--Analysis) (MIRA 14:8)

MARKOVA, G.A.

Effect of papaverine, nitroglycerin, and chloracizin on coronary
blood circulation in disorders of the myocardial blood supply.
Farm. toks. 24 no.3:292-297 My-Je '61. (MIRA 15:1)

1. Laboratoriya chastnoy farmakologii (zav. - deystvitel'nyy chlen
AMN SSSR prof. V.V.Zakusov) Instituta farmakologii i khimioterapii
AMN SSSR.

(CORONARY HEART DISEASE) (PAPAVERINE PHYSIOLOGICAL EFFECT)
(NITROGLYCERIN PHYSIOLOGICAL EFFECT) (CHLORAZIN PHYSIOLOGICAL EFFECT)

MARKOVA, G.A.

Effect of pharmacological substances on the blood supply to the heart in acute disorders of coronary circulation. Vest. AMN SSSR 18 no.1:33-35 '63. (MIRA 16:2)

1. Institut farmakologii i khimioterapii AMN SSSR.
(HEART—BLOOD SUPPLY) (BLOOD—CIRCULATION, DISORDERS OF)
(CARDIOVASCULAR AGENTS)

GOLDIN, B.A.; MARKOVA, G.A.

Some data on fergusonite from the granitoids of the subarctic
Ural Mountain region. Zap. Vses. in. ob-va 92 no.3:353-354 '63.
(MIRA 17:9)

1. Komd filial AN SSSR, Syktyvkar.

MARKOVA, G.A.

Effect of some vasoconstrictors on the heart in experimental myocardial infarct. Farm. i tok. zhurn. 10, 1963.
Mr-Ap '63. (MIRA 1963)

1. laboratoriya issledovaniya farmakologii (zav. - deystvitel'nyy
chlen AMN SSSR prof. V.V. Gakharov) instituta farmakologii i
khimioterapii AMN SSSR.

VYSOTSKAYA, N.B.; MARKOVA, G.A.

Effect of chloracizin and papaverine on the content of potassium and sodium ions in the myocardium in its experimental lesions.

Farm. i toks. 29 no.3:309-314 My-Je '65.

(MIRA 18:3)

1. Laboratoriya farmakologii serdечно-sosudistoy sistemy (zav. - doktor med.nauk N.V.Kaverina) i laboratoriya neyrofarmakologii (zav. - deyствitel'nyy chlen AMN SSSR prof. V.V.Zakusov) Instituta farmakologii i khimioterapii AMN SSSR, Moskva.

ZAKUSOV, V.V.; KAVERINA, N.V.; MARKOVA, G.A.; MITROFANOV, V.S.

Effect of pharmacological agents on the development of myocardial
lesions caused by biogenic substances. Kardiologiya 4 no.4:3-11
Jl.Ag ' 64 (MIRA 10:1)

1. Otdel farmakologii Instituta farmakologii i khimioterapii
AMN SSSR, Moskva.

Markova, G.B.

5

Production of chitosan and its use. G. B. Markova and
M. B. Markova. *Russk. Tekhn. Izvestiya*. *Trudy Khim.
Tekhn. Tekh. 13, 70-4 (1964)*; *Russk. Zhur. Khim.* 1965
No. 286. The production of chitosan from the shells of
crabs and crayfish is described. Chitosan in AcOH was
successfully used in the finishing of woven and knitted
cotton and silk fabrics and for sizing knitted wear such as
socks. Chitosan also improves the appearance and extends
the life of the product. — M. Hosh

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PM